

# Rolls-Royce Crosspointe

Prince George County, Virginia, USA



Rolls-Royce

Trusted to deliver excellence



The Rolls-Royce Crosspointe campus, located 30 minutes south of Richmond, Virginia, is a center of excellence for the manufacture of precision-engineered engine discs, turbine blades, and other jet engine components for some of the most advanced aircraft in the world. Crosspointe demonstrates our commitment to the region and our global aerospace customers.

Rolls-Royce believes that American workers can innovate and thrive in the international marketplace. To support this belief, we've worked to create a high-performance culture, supported by significant capital investments. In doing so, we've developed a strong pipeline of manufacturing talent through partnerships with Virginia and institutions of higher learning, and fostered an environment that is enticing to suppliers.

These efforts are helping ensure that Crosspointe becomes a hub of advanced manufacturing and technological excellence. To date, we have invested more than \$200 million in facilities and have created nearly 200 high-tech, advanced-manufacturing jobs at Crosspointe, with more jobs expected in coming years.

Crosspointe team members manufacture components for engines that power the most sophisticated aircraft in the world, including the Boeing 787 Dreamliner, the Airbus A350 and A380, and the Gulfstream G650. This is done at two co-located factories – a Rotatives facility and an Advanced Airfoil Machining Facility (AAMF).

The Rotatives facility opened in 2011 and produces engine discs and other components for Rolls-Royce Trent family of engines. Discs, the part of a turbofan engine that contains the blades, are considered one of the most critical components of an engine. Consequently, the manufacturing and inspection processes are rigorous, with highly automated precision equipment measuring more than 1,200 features on each disc to ensure quality and accuracy.

The AAMF opened in 2014, where we began production of turbine blades for the Trent family of engines. High pressure turbine blades inside the engine rotate at more than 13,000 rpm, with their tips reaching 1,200 mph – twice the speed of sound. Each blade requires precision and painstaking detail to ensure the highest levels of quality.

Rolls-Royce Crosspointe already is a world-class manufacturing environment, and we aim for nothing less than excellence. The Crosspointe production factories are also supported through the Commonwealth Center for Advanced Manufacturing (CCAM). Rolls-Royce is an organizing member of CCAM, which is a unique public-private partnership that conducts research to provide production-ready advanced manufacturing solutions to member companies across the globe. Members guide the research, leveraging talent and resources within CCAM and at Virginia's top universities, through a collaborative model that enables them to pool R&D efforts to increase efficiencies. Results can then be applied directly to the factory floor, turning ideas into profit faster and more affordably than ever before.

## **Key Facts**

- Rolls-Royce Crosspointe is located on more than 1,000 acres in Prince George County, Virginia, approximately 30 miles south of Richmond.
- The site is the first Rolls-Royce manufacturing facility built from the ground up in the U.S.
- Rolls-Royce Crosspointe is the largest Rolls-Royce site by area in North America.
- The supplier site extends more than 120 acres of “shovel ready” development property and gives prospective suppliers an opportunity to co-locate near Rolls-Royce and its partners.
- Rolls-Royce has had a rich and valuable history with Virginia since moving its headquarters to the Commonwealth in 1990.
- In 2012, President Barack Obama visited Rolls-Royce Crosspointe, and praised it as an American success story for creating jobs in the advanced manufacturing and aerospace industries.
- The AAMF and Rotatives facilities have a combined total of 270,000 square feet.

## **Partnerships**

Rolls-Royce has successful higher education partnerships in Virginia, specifically with the Commonwealth of Virginia, Prince George County, the University of Virginia (UVA), Virginia Tech (VT), Virginia State University (VSU) and the Virginia Community College System. The intent of these partnerships is to deliver improvements in design and manufacturing technologies as well as develop new methods in which to prepare people to secure future jobs.

Rolls-Royce is an organizing industry member of the Commonwealth Center for Advanced Manufacturing (CCAM), joined by UVA; VT; VSU; Old Dominion University, Virginia Commonwealth University, Aerojet Rocketdyne, Airbus, Alcoa, Canon Virginia, Chromalloy, NASA, Newport News Shipbuilding, Oerlikon Metco, Sandvik Coromant, and Siemens. CCAM is located within one mile of Rolls-Royce. In addition, Rolls-Royce has created the Commonwealth Center for Aerospace Propulsion Systems (CCAPS), a research partnership established by UVA, VT and Rolls-Royce to address critical technology challenges utilizing founding university facilities.

## **Workforce Development**

The Rolls-Royce Crosspointe philosophy provides employees opportunities to lead and learn in a high performance culture. Crosspointe has a highly engaged workforce and the company offers a comprehensive, flexible training program designed to attract and retain the very best. In addition, Rolls-Royce Crosspointe has a registered Apprenticeship Program organized through the Community College Workforce Alliance (CCWA), a regional partnership combining the workforce development efforts of John Tyler Community College.

## **Careers**

Rolls-Royce Crosspointe employees use advanced, state-of-the-art equipment to make some of the most technically challenging products in the world. To learn more about building a career at Rolls-Royce Crosspointe, please visit: [www.rolls-royce.com/careers](http://www.rolls-royce.com/careers).

## **Environmental Responsibility**

Crosspointe is a Silver LEED (Leadership in Energy and Environmental Design)-equivalent facility and incorporates several unique environmental features, such as rainwater and daylight harvesting and automatic light sensing. It is continually working to maintain targets of 100% recycling and zero waste to landfill.

## **Community Relations**

Rolls-Royce has a long-standing tradition of philanthropy and is recognized as a good corporate citizen. Our team members are passionate about improving the place in which they live and work and voluntarily support local education, arts, environment or other community activities.

## **Location**

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[www.rolls-royce.com/north\\_america](http://www.rolls-royce.com/north_america)

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